Date of issue: 30 September 2022

Revised by: Simonne Moses - HSNO Consultant SDS No: 1

Safety Data Sheet
Wheel Brite

Classified as: Hazardous according to the EPA Hazardous Substances (Hazard Classifications) Notice 2020.

Section 1: SUBSTANCE AND SUPPLIER DETAILS

Product Name: Wheel Brite

Supplier: PureWax Ltd
Unit 14, 88 Hobsonville Road
Hobsonville
Auckland 0618
New Zealand

Phone: 0800 PUREWX (787 399)

Recommended Use: Tire cleaner

In Case of Emergency Contact:

CHEMCALL: 0800 CHEMCALL (243 622)

Section 2: HAZARDS IDENTIFICATION

This product is classified as a Dangerous Good for Transport.

This product is classified as hazardous according to criteria in the EPA Hazardous Substances (Hazard Classifications) Notice 2020.

Classified under the group standard "Cleaning Products (Corrosive) Group Standard 2020"

HSNO APPROVAL NUMBER: **HSR002526**

HSNO CLASSIFICATIONS: 6.1D – Acutely toxic, oral
6.1E – Respiratory tract irritant
8.1A – Corrosive to metal
8.2C – Skin corrosive
8.3A – Corrosive to eyes
9.1B – Toxic in the aquatic environment with long lasting effects

GHS Classifications: Acute toxicity oral – Category 4
Corrosive to metals – Category 1
Skin corrosion – Category 1C
Serious eye damage – Category 1
Specific target organ toxicity, single exposure – Category 3, respiratory tract irritant
Hazardous to the aquatic environment, chronic – Category 2

Hazard Statements:

H290 May be corrosive to metals
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H335 May cause respiratory irritation
H411 Toxic to aquatic life with long lasting effects

GHS Pictograms:

DANGER

PREVENTION STATEMENTS:

P102 – Keep out of reach of children.
P234 – Keep only in original container.
P260 – Do not breathe mist/vapours/spray.
P264 - Wash hands, exposed skin, thoroughly after handling.
P270 - Do not eat, drink, or smoke when using this product.
P271 – Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.

RESPONSE STATEMENTS:

P301 + P330 + P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 – Wash contaminated clothing before re-use.
P304 + P340 – IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 – Immediately call a POISON CENTER or doctor/physician.
P321 – Specific treatment (see first aid panel on this label).
P390 – Absorb spillage to prevent material damage.
P391 – Collect spillage.

STORAGE

P403 + P233 – Store in a well-ventilated place. Keep container tightly closed.
P405 – Store locked up.
P406 – Store in corrosive resistant container with a resistant inner liner.

DISPOSAL

P501 - In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Dispose of via an approved waste disposal contractor. Refer to Section 13 of this SDS.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Mixture: Tire cleaner

Main Component	CAS Number	Concentration (%wt)
Phosphoric acid	7664-38-2	5 - 10%
Ammonium Bifluoride	1341-49-7	3 - 5%
Sulfamic acid	5329-14-6	< 3%
Alcohol ethoxylate	84133-50-6	< 3%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: FIRST AID MEASURES

Workplace Facilities Required: Eye wash and safety shower facilities must be provided in the workplace.

If Inhaled: Remove to fresh air. Lie patient down and keep warm and at rest. Apply artificial respiration if not breathing. Seek immediate medical attention.

In Contact with Eye: Hold eyes open, flush with water for at least 15 minutes. Seek immediate medical attention. Continue flushing.

In Contact with Skin: Wash skin with plenty of water, while removing contaminated clothing and shoes. Wash contaminated clothing before re-use. Seek immediate medical attention.

If Swallowed: DO NOT INDUCE VOMITING. Rinse mouth. Give small quantities of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration to lungs.

Advice to Doctor: Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Fire/Explosion Hazard: Product is not flammable or combustible.

Suitable Extinguishing Media: Use water spray or fog, foam, dry chemical powder, or carbon dioxide. Remove containers from path of fire if safe to do so. Cool exposed containers with water spray from a safe location.

Precautions in Connection with Fire: May give off toxic and corrosive fumes in a fire containing carbon, phosphorus, fluorine, and ammonium compounds.

Advice for firefighters: Wear full firefighting gear and self-contained breathing apparatus. Prevent spills from entering drains and water courses.

Section 6: ACCIDENTAL RELEASE MEASURES

An emergency response plan complying with Part 5 of the Health and Safety at Work (Hazardous Substances) Regulations 2017 is required when held in quantities greater than 1,000L.

Precautions: Clear area of all unprotected personnel. Keep unnecessary and unprotected personnel from entering area. Avoid generating mist/spray. Avoid release to the environment. If spill does enter waterways inform the relevant authority (e.g. Local Council Pollution hotline).

Suitable Protective Equipment: Emergency responders must use personal protective equipment, including gloves, protective overalls and footwear, safety goggles or face shield and respiratory protection.

Spill or Leak Procedures. Stop leak if safe to do so. Contain the spill. Spills may be neutralised with dilute alkali. For large spills, make a slurry paste with the alkali and using a plastic broom, slowly sweep the slurry into the spill working from the sides of the spill towards the centre. Continue until all reaction has stopped. Use inert material such as sand, earth, or vermiculite to absorb spill. Collect spilled material and place in a suitable, clean, chemical waste container. Ensure waste container is properly labelled.

Waste Disposal Methods: Dispose of as per Section 13.

Emergency preparation: Ensure there is appropriate and adequate personal protective equipment, trained personnel and clean up materials for management of accidental release.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with skin and eyes. Do not breathe mist/spray. To avoid violent reactions always add product to water not water to product. Do not eat, drink, or smoke when using this product. Remove contaminated clothing and wash hands and face before entering eating areas.

Storage: Keep out of reach of children. Keep container tightly closed when not in use. Store locked up. Store in original container in a cool, dry, well-ventilated area. Keep away from food, drink, and animal feed. Ensure storage area has suitable secondary containment.

Site Storage Requirements: Site Signage will be required when quantities exceed 1,000L.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Standards NZ: No Workplace Exposure Standards have been established for this product.

Workplace Exposure Standards for ingredients:

Phosphoric acid: TWA 1 mg/m^3

Engineering Controls: Eyewash facilities and safety showers should be provided in the work area where there is a risk of exposure to eyes and skin. If natural ventilation is insufficient consider engineering controls such as local exhaust ventilation to ensure workers are not exposed to levels exceeding the exposure standards.

Personal Protective Equipment: Avoid contact with the skin and eyes. Avoid inhaling mist/spray.

Hand protection: Wear protective gloves that are resistant to the product, e.g. PVC. Gloves should be elbow length. Refer to Australian and New Zealand Standard AS/NZS 2161 for protective gloves.

Skin and body protection: Use protective overalls. Wear a PVC apron when handling large quantities. Remove any contaminated clothing to avoid prolonged contact with the skin. Wash work clothes regularly. Refer to Australian and New Zealand Standard AS/NZS 4501 for occupational protective clothing.

Eye protection: Use chemical safety goggles to protect eyes. When handling bulk quantities where there may be a risk of splashing, a face shield may also be used along with eye protection to protect the face. Refer to AS/NZS 1336 for suitable eye and face protection.

Respiratory protection: Where there is inadequate ventilation and use results in the formation of mist/spray, use a respirator. Refer to AS/NZS 1715 and AS/NZS 1716 for suitable respiratory protection.

Other information: PPE selected must be impervious to the substance. Do not eat, smoke, or drink where material is handled, processed, or stored. Wash hands carefully before eating, drinking, or smoking. Handle in accordance with safe industrial hygiene practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Description:	Liquid	**Colour:**	Purple
Odour:	Acid	**Odour Threshold:**	Not available
pH:	5	**Solubility (water, 25°C):**	Soluble
Melting/Freezing point:	Not available	**Boiling Point:**	> 100°C
Flammability:	Non-flammable	**Flash Point:**	Not applicable
UEL/LEL:	Not applicable	**Vapour Pressure (20°C):**	< 1
Decomposition Temp:	Not available	**Autoignition Temp:**	Not applicable
Relative Density:	1.11 (water = 1)	**Vapour Density:**	Not determined
Partition Coefficient: n-octanol/water	Not available	**Viscosity:**	Not available
Particle characteristics:	Not applicable		

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal cool, dry storage conditions.

Reactivity: Reacts exothermically with alkalis.

Conditions to Avoid: Contact with metals. Formation of mist/spray.

Incompatibility: Incompatible with alkalis, metals.

Hazardous Decomposition: Thermal decomposition may result in formation of carbon, phosphorus, fluorine and ammonium compounds.

Section 11: TOXICOLOGICAL INFORMATION

Acute Exposure

Acute Toxicity:

LD50 oral >300 - ≤ 2000 mg/kg.
LD50 dermal >5000 mg/kg
LC50 inhalation >5 mg/L (dust or mist)

Inhalation: Inhalation of spray/mist may cause respiratory irritation.

Ingestion: Harmful if swallowed. May cause chemical burns to the gastrointestinal tract.

Skin Contact: Corrosive to skin, causes chemical burns.

Eye Contact: Corrosive to eyes.

Sensitiser: Not expected to be a respiratory or contact sensitiser.

Chronic Exposure:

Mutagen/Carcinogen/Reproductive Toxicant No known effects.

Specific Target Organ Systemic Toxicity: May cause respiratory tract irritation via inhalation from a single exposure.

Toxicity data is based on hazardous ingredient information and information in the EPA Chemical Classification and Identification Database.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: $LC/EC_{50} > 1$ but ≤ 10 mg/L.

Toxic in the aquatic environment with long lasting effects. Avoid losses to the environment wherever possible.

Persistence/degradability: No data

Bioaccumulation: No data

Mobility: Product is soluble in water.

Ecotoxicity data is based on hazardous ingredient information.

Section 13: DISPOSAL CONSIDERATIONS

Disposal: Recycle and reuse wherever possible. Waste product may be treated with dilute alkali to neutralise it. Dispose of waste product via an approved waste disposal contractor.

Disposal of Packaging: Packaging may contain product residues and should be treated as hazardous. Where possible return to supplier for reuse/recycling. Dispose of packaging via an approved waste disposal contractor.

Section 14: TRANSPORT INFORMATION

This product is classified as a Dangerous Good for transport in accordance with NZS5433:2020, IMDG or IATA.

Hazchem Code: 2X

NZS5433:2020
UN No: 3264
Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s (contains phosphoric acid)
Class: 8
Packing Group: III
Environmental hazard: Yes
Limited Quantity: 5L

IMDG:
UN No: 3264
Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s (contains phosphoric acid)
Class: 8
Packing Group: III
Marine Pollutant: Yes
EmS: F-A, S-B
Limited Quantity: 5L

IATA:
UN No: 3264
Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s (contains phosphoric acid)
Class: 8
Packing Group: III
Environmental hazard: Yes
ERG Code: 8L
Special Provisions: A3, A803
Cargo Only: Packing Instructions – 855, Maximum Quantity/Pack – 60L
Passenger and Cargo: Packing Instructions – 851, Maximum Quantity/Pack – 5L
Passenger and Cargo Limited Quantity: Packing Instructions – Y840, Maximum Quantity/Pack – 1L

Ensure transportation methods prevent leakage from packages and collapsing loads.

Section 15: REGULATORY INFORMATION

Group Standard Allocation: Cleaning Products (Corrosive) Group Standard 2020

HSNO Approval Code: HSR002526

Classifications:

Acute toxicity oral – Category 4
Corrosive to metals – Category 1
Skin corrosion – Category 1C
Serious eye damage – Category 1
Specific target organ toxicity, single exposure – Category 3, respiratory tract irritant
Hazardous to the aquatic environment (chronic) – Category 2

This substance triggers:

Compliance Certificate	N/A
Certified Handler	N/A
Quantity to be secured when unattended	N/A
Emergency Response Plan	1,000L
Secondary Containment	1,000L
Signage	1,000L

This substance is not required to be Tracked.

All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance.

Section 16: OTHER INFORMATION

The information provided in this Safety Data Sheet relates only to the specific material designated herein. This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products.

This substance is approved under HSNO for use as a cleaning product. All reasonable care has been taken to ensure that the information and advice contained herein are from sources believed to be reliable and to represent the most up-to-date knowledge available at the date given in Section 16. No liability is assumed for any damages related to the use or misuse of this substance.

All chemical materials may present unknown hazards as people have varying degrees of sensitivity to chemicals. Therefore, this product should be used with caution. The information herein is given in good faith, but no warranty, express or implied is made.

SDS Issued: 30/09/2022

Reason for Revision: Update to New Zealand regulatory requirements.

References:

EPA NZ Chemical Classification and Information Database
European Chemical Classification Database
EPA Guide: Assigning a Hazardous Substance to a Group Standard, 2014
Supplier SDS: 3D International, USA, Wheel Brite Wheel Cleaner, May 2015

END OF SAFETY DATA SHEET